

FUEL CELL DEVICE

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ABSTRACT OF THE DISCLOSURE

10 A fuel cell device comprising: two vertically
arranged cylindrical fuel cells different in diameter,
each comprising a solid-electrolyte layer having first
and second surfaces, an anode layer formed on the first
surface of the solid-electrolyte layer, and a cathode
layer formed on the other surface of the solid-
electrolyte layer. The two fuel cells are mutually
15 arranged in such a manner that the anode layer of one of
the fuel cells faces the anode layer of the other fuel
cell with a predetermined space between them and the
space extends vertically from a lower position to an
upper position. A fuel supply unit is provided for
20 supplying fuel into the space at the lower position
thereof so that a flame is formed, in the space, in an
upward direction in which the space extends.